

435	42	Subclass
ISSUE CLASSIFICATION		

PATENT NUMBER  
**6317592**



**6317592**

U.S. ~~UTILITY~~ Patent Application

BK 2 O.I.P.E. SCANNED <i>Baw</i> Q.A. <i>RG</i>	PATENT DATE NOV 13 2001
----------------------------------------------------	----------------------------

CLASS 455	SUBCLASS 412	ART UNIT 26814	EXAMINER Maung
--------------	-----------------	-------------------	-------------------

**TITLE OF INVENTION:**

**APPLICANT(S):**

**NO PUBLIC COPYING OF THIS FILE**

**SEE SCANNED-FILE NOTICE  
ATTACHED INSIDE FILE JACKET**

ISSUING CLASSIFICATION									
ORIGINAL				CROSS REFERENCE(S)					
CLASS		SUBCLASS		CLASS	SUBCLASS (ONE SUBCLASS PER BLOCK)				
455		412		455	412				
INTERNATIONAL CLASSIFICATION				379	100.08				
H04	M	11/10		709	206				

☐ Continued on Issue Slip inside File Jacket

<input checked="" type="checkbox"/> <b>TERMINAL DISCLAIMER</b>  09/455,409	<b>DRAWINGS</b> <table border="1"> <tr> <td>Sheets Drwg.</td> <td>Figs. Drwg.</td> <td>Print Fig.</td> </tr> <tr> <td>12</td> <td>12</td> <td>8</td> </tr> </table>	Sheets Drwg.	Figs. Drwg.	Print Fig.	12	12	8	<b>CLAIMS ALLOWED</b> <table border="1"> <tr> <td>Total Claims</td> <td>Print Claim for O.G.</td> </tr> <tr> <td>665</td> <td>1</td> </tr> </table>	Total Claims	Print Claim for O.G.	665	1
Sheets Drwg.	Figs. Drwg.	Print Fig.										
12	12	8										
Total Claims	Print Claim for O.G.											
665	1											
<input type="checkbox"/> The term of this patent subsequent to _____ (date) has been disclaimed.	_____ (Assistant Examiner) (Date)	<b>NOTICE OF ALLOWANCE MAILED</b>  11-21-00 5-21-01										
<input checked="" type="checkbox"/> The term of this patent shall not extend beyond the expiration date of U.S. Patent. No. <u>5,436,960</u> <u>5,438,611</u> <u>5,519,172</u> <u>5,479,472</u> <u>6,067,451</u> <u>5,623,670</u> <u>5,631,944</u>	W-TR  <b>William G. Trost</b> <b>Primary Examiner</b> _____ (Primary Examiner) 5-15-01 11-15-00 (Date)	<b>ISSUE FEE</b> <table border="1"> <tr> <td>Amount Due</td> <td>Date Paid</td> </tr> <tr> <td>\$620-00</td> <td></td> </tr> </table>	Amount Due	Date Paid	\$620-00							
Amount Due	Date Paid											
\$620-00												
<input type="checkbox"/> The terminal _____ months of this patent have been disclaimed.	Linda Badier 4/15/01 _____ (Legal Instruments Examiner) (Date)	<b>ISSUE BATCH NUMBER</b>  V43										

**WARNING:**

The information disclosed herein may be restricted. Unauthorized disclosure may be prohibited by the United States Code Title 35, Sections 122, 181 and 368. Possession outside the U.S. Patent & Trademark Office is restricted to authorized employees and contractors only.

Form PTO-436A  
(Rev. 6/99)

FILED WITH: ☐ DISK (CRF) ☐ FICHE ☐ CD-ROM  
(Attached in pocket on right inside flap)

(FACE)

# PATENT APPLICATION FEE DETERMINATION RECORD

Effective November 10, 1998

Application or Docket Number

## CLAIMS AS FILED - PART I

(Column 1)

(Column 2)

FOR	NUMBER FILED	NUMBER EXTRA
BASIC FEE		
TOTAL CLAIMS	40 minus 20 = *	20
INDEPENDENT CLAIMS	3 minus 3 = *	
MULTIPLE DEPENDENT CLAIM PRESENT		

\* If the difference in column 1 is less than zero, enter "0" in column 2

## CLAIMS AS AMENDED - PART II

(Column 1)

(Column 2)

(Column 3)

AMENDMENT A	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 39 Minus	** 40	=
Independent	* 2 Minus	*** 3	=
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

AMENDMENT B	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 1207 Minus	** 39	= 1168
Independent	* 9 Minus	*** 3	= 6
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

AMENDMENT C	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST NUMBER PREVIOUSLY PAID FOR	PRESENT EXTRA
Total	* 1221 Minus	** 1207	= 14
Independent	* 11 Minus	*** 9	= 2
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM			

\* If the entry in column 1 is less than the entry in column 2, write "0" in column 3.

\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, enter "20."

\*\*\* If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, enter "3."

The "Highest Number Previously Paid For" (Total or Independent) is the highest number found in the appropriate box in column 1.

SMALL ENTITY TYPE ☒ OR

OTHER THAN SMALL ENTITY

RATE	FEE
	380.00
X\$ 9=	180.00
X39=	
+130=	
TOTAL	560.00

RATE	FEE
	760.00
X\$18=	
X78=	
+260=	
TOTAL	

SMALL ENTITY OR

OTHER THAN SMALL ENTITY

RATE	ADDITIONAL FEE
X\$ 9=	
X39=	
+130=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$18=	
X78=	
+260=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$ 9=	1952.00
X39=	234.00
+130=	130.00
TOTAL ADDIT. FEE	10876.00

RATE	ADDITIONAL FEE
X\$18=	
X78=	
+260=	
TOTAL ADDIT. FEE	

RATE	ADDITIONAL FEE
X\$ 9=	126.00
X39=	78.00
+130=	
TOTAL ADDIT. FEE	204.00

RATE	ADDITIONAL FEE
X\$18=	
X78=	
+260=	
TOTAL ADDIT. FEE	

SERIAL NUMBER 09/455,409	FILING DATE 12/06/99	CLASS 455	GROUP ART UNIT 2749	ATTORNEY DOCKET NO. 780.29643CX4
-----------------------------	-------------------------	--------------	------------------------	-------------------------------------

APPLICANT

THOMAS J. CAMPANA JR., CHICAGO, IL; MICHAEL P. PONSCHKE, LOCKPORT, IL;  
GARY F. THELEN, PALOS PARK, IL.

\*\*CONTINUING DOMESTIC DATA\*\*\*\*\*  
VERIFIED This App is a con of 09/161,462  
con of 08/844,957  
con of 8/1443,430  
con of 7/702,434

9-28-98  
4-23-97  
5-18-95  
5-20-91

6067451  
5819172  
5625670  
5436,960

\*\*371 (NAT'L STAGE) DATA\*\*\*\*\*  
VERIFIED

\*\*FOREIGN APPLICATIONS\*\*\*\*\*  
VERIFIED

IF REQUIRED, FOREIGN FILING LICENSE GRANTED 01/13/00 \*\* SMALL ENTITY \*\*

Foreign Priority claimed 35 USC 119 (a-d) conditions met <input type="checkbox"/> yes <input checked="" type="checkbox"/> no Verified and Acknowledged <u>Examiner's Initials</u> Initials	STATE OR COUNTRY IL	SHEETS DRAWING 12	TOTAL CLAIMS 40	INDEPENDENT CLAIMS 3
--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------	------------------------	----------------------	--------------------	-------------------------

SEE CUSTOMER NUMBER: 020457

ELECTRONIC MAIL SYSTEM WITH RF COMMUNICATIONS TO MOBILE PROCESSORS

FILING FEE RECEIVED

\$560

FEES: Authority has been given in Paper  
No. \_\_\_\_\_ to charge/credit DEPOSIT ACCOUNT  
NO. \_\_\_\_\_ for the following:

- ☐ All Fees
- ☐ 1.16 Fees (Filing)
- ☐ 1.17 Fees (Processing Ext. of time)
- ☐ 1.18 Fees (issue)
- ☐ Other \_\_\_\_\_
- ☐ Credit

# PATENT APPLICATION



09455409

JC678 U.S. PTO

09/455409



12/06/99

INITIALS \_\_\_\_\_

## When Entering a Paper See Scanned Notice Inside File

Date Received  
(Incl. C. of M.)  
or  
Date Mailed

1. Application <i>2pt.</i> papers.		42.	
2. Formal Drawings	12-6-99	43.	
3. Change of Address	12-6-99	44.	
4. Pre-A	12-6-99	45.	
5. IDS w/Refs	12-6-99	46.	
6. Interview Summary	7/3/00	47.	
7. Pre-AMT/B	7-19-00	48.	
8. Pre-AMT/C	8-23-00	49.	
9. Terminal Disclaimer	8-23-00	50.	
10. Interview Summary	9-21-00	51.	
11. Pre-AMT/D	9-25-00	52.	
12. Notice of Allow	11-21-00	53.	
13. Withdrawal from Issue	01/17/01	54.	
14. ACE	1-17-01	55.	
15. IDS	1-17-01	56.	
16. Extension Granted	4-18-01	57.	
17. Notice of Allowance	5-24-01	58.	
18. Authorization	Oct. 1, 2007	59.	
19.		60.	
20.		61.	
21.		62.	
22.		63.	
23.		64.	
24.		65.	
25.		66.	
26.		67.	
27.		68.	
28.		69.	
29.		70.	
30.		71.	
31.		72.	
32.		73.	
33.		74.	
34.		75.	
35.		76.	
36.		77.	
37.		78.	
38.		79.	
39.		80.	
40.		81.	
41.		82.	

(LEFT OUTSIDE)